

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/FR2004/002091

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 H04L12/56

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 H04L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, INSPEC

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 463 470 B1 (RAMBERG YORAM ET AL) 8 October 2002 (2002-10-08) cited in the application column 5, line 45 - column 8, line 3 column 11, line 1 - line 36 column 22, line 31 - column 24, line 61 -----	1-29
X	US 6 366 577 B1 (DONOVAN STEVEN R) 2 April 2002 (2002-04-02) cited in the application column 4, line 24 - line 39 column 7, line 31 - column 9, line 14 -----	1-29
X	WO 03/012670 A (ALCATEL INTERNETWORKING INC) 13 February 2003 (2003-02-13) cited in the application page 4, line 15 - page 7, line 15 page 8, line 4 - page 9, line 22 ----- -/-	1-29

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

\* Special categories of cited documents :

\*A\* document defining the general state of the art which is not considered to be of particular relevance

\*E\* earlier document but published on or after the international filing date

\*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

\*O\* document referring to an oral disclosure, use, exhibition or other means

\*P\* document published prior to the international filing date but later than the priority date claimed

\*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

\*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

\*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

\*&\* document member of the same patent family

Date of the actual completion of the international search

8 June 2005

Date of mailing of the international search report

17/06/2005

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# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/FR2004/002091

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P,X	US 2004/039803 A1 (LAW EDDIE) 26 February 2004 (2004-02-26) cited in the application paragraph '0011! - paragraph '0022! paragraph '0033! - paragraph '0039! paragraph '0049!	1-29
P,X	US 2004/064575 A1 (PARMAR PANKAJ N ET AL) 1 April 2004 (2004-04-01) paragraph '0018! - paragraph '0035!	1-29

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/FR2004/002091

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 6463470	B1	08-10-2002	US 6286052 B1	04-09-2001
			US 6167445 A	26-12-2000
			US 6718380 B1	06-04-2004
			US 6651101 B1	18-11-2003
			US 6434624 B1	13-08-2002
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US 2004064575	A1	01-04-2004	NONE	
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# **RAPPORT DE RECHERCHE PRÉLIMINAIRE**

établi sur la base des dernières revendications  
déposées avant le commencement de la recherche

N° d'enregistrement  
national

FA 637393  
FR 0309860

T105176 RR

DOCUMENTS CONSIDÉRÉS COMME PERTINENTS		Revendication(s) concernée(s)	Classement attribué à l'invention par l'INPI
Catégorie	Citation du document avec indication, en cas de besoin, des parties pertinentes		
1	X US 6 463 470 B1 (RAMBERG YORAM ET AL) 8 octobre 2002 (2002-10-08) * colonne 5, ligne 45 - colonne 8, ligne 3 * * colonne 11, ligne 1 - ligne 36 * * colonne 22, ligne 31 - colonne 24, ligne 61 *	1-29	H04Q7/28
2	X US 6 366 577 B1 (DONOVAN STEVEN R) 2 avril 2002 (2002-04-02) * colonne 4, ligne 24 - ligne 39 * * colonne 7, ligne 31 - colonne 9, ligne 14 *	1-29	
3	X WO 03/012670 A (ALCATEL INTERNETWORKING INC) 13 février 2003 (2003-02-13) * page 4, ligne 15 - page 7, ligne 15 * * page 8, ligne 4 - page 9, ligne 22 *	1-29	
4	E US 2004/039803 A1 (LAW EDDIE) 26 février 2004 (2004-02-26) * alinéa '0011! - alinéa '0022! * * alinéa '0033! - alinéa '0039! * * alinéa '0049! *	1-29	DOMAINES TECHNIQUES RECHERCHÉS (Int.CL.7) H04L
5	E US 2004/064575 A1 (PARMAR PANKAJ N ET AL) 1 avril 2004 (2004-04-01) * alinéa '0018! - alinéa '0035! *	1-29	
See attached translation sheet ligne = line revendications - claims colonne = column abrege = summary/abstract			
Date d'achèvement de la recherche 13 mai 2004		Examineur LOPEZ PEREZ M C	
CATÉGORIE DES DOCUMENTS CITÉS X : particulièrement pertinent à lui seul Y : particulièrement pertinent en combinaison avec un autre document de la même catégorie A : arrière-plan technologique O : divulgation non-écrite P : document Intercaire		T : théorie ou principe à la base de l'invention E : document de brevet bénéficiant d'une date antérieure à la date de dépôt et qui n'a été publié qu'à cette date de dépôt ou qu'à une date postérieure. D : cité dans la demande L : cité pour d'autres raisons & : membre de la même famille, document correspondant	

65 176 FR

**ANNEXE AU RAPPORT DE RECHERCHE PRÉLIMINAIRE  
RELATIF A LA DEMANDE DE BREVET FRANÇAIS NO. FR 0309860 FA 637393**

La présente annexe indique les membres de la famille de brevets relatifs aux documents brevets cités dans le rapport de recherche préliminaire visé ci-dessus.  
Les dits membres sont contenus au fichier informatique de l'Office européen des brevets à la date du 13-05-2004  
Les renseignements fournis sont donnés à titre indicatif et n'engagent pas la responsabilité de l'Office européen des brevets, ni de l'Administration française

Document brevet cité au rapport de recherche	Date de publication	Membre(s) de la famille de brevet(s)	Date de publication
US 6463470 B1	08-10-2002	US 6286052 B1	04-09-2001
		US 6167445 A	26-12-2000
		US 6718380 B1	06-04-2004
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NATIONAL INSTITUTE  
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SEARCH REPORT  
drawn up on the ground of the  
last claims filed before the  
beginning of the search

DOCUMENTS CONSIDERED TO BE RELEVANT		Relevant to claim	
Category	Citation of document with indication, where appropriate, of relevant passages		
			<div>Technical fields Searched (Int. CL. 7)</div>
Date of completion of the search:		Examiner:	
<p><b>CATEGORY OF CITED DOCUMENTS</b></p> <p> X : particularly relevant if taken alone  Y : particularly relevant if combined with  another document of the same category  A : relevant against at least one claim  Or: technological background  O : non-written disclosure  P : intermediate document </p> <p> T : theory or principle underlying the invention  B : earlier patent document based on, or after the  the filing date  D : document cited in the application  L : document cited for other reasons  &amp; : member of the same patent or corresponding  document </p>			